

NiceZyme View of ENZYME: EC 3.4.21.73

Official Name

U-plasminogen activator.

Alternative Name(s)

Cellular plasminogen activator.

Urinary plasminogen activator.

Urokinase.

Reaction catalysed

Specific cleavage of Arg-|-Val bond in plasminogen to form plasmin

Comment(s)

- Formed from the inactive precursor by action of plasmin or plasma kallikrein.
- Differs in structure from EC 3.4.21.68, and does not bind to fibrin.
- Belongs to peptidase family S1.
- Formerly EC 3.4.21.31 and EC 3.4.99.26.

Cross-references

Biochemical

Pathways; map number(s) U2

PROSITE PDOC00124

BRENDA 3.4.21.73

PUMA2 3.4.21.73

PRIAM enzyme-specific profiles 3.4.21.73

Kyoto University
LIGAND chemical database 3.4.21.73

IUBMB Enzyme
Nomenclature 3.4.21.73

IntEnz 3.4.21.73

MEDLINE Find literature relating to 3.4.21.73

UniProtKB/Swiss-Prot Q05589, UROK_BOVIN; P15120, UROK_CHICK; P00749, UROK_HUMAN; P06869, UROK_MOUSE; P16227, UROK_PAPCY; P04185, UROK_PIG; P29598, UROK_RAT;